

PLATE XI.

HEART AND ARTERIES OF PENGUINS.

Fig. 1.—Exterior of heart of *Eudyptes chrysocome*; natural size.

- C. A.* Carotid artery.
- I. A.* Innominate artery.
- J. V.* Jugular vein.
- S. A.* Subclavian artery.
- S. V.* Subclavian vein.
- T. G.* Thyroid gland.
- V. C. I.* Inferior vena cava.
- V. C. S.* Anterior venæ cavæ, right and left.

Fig. 2.—Heart of *Aptenodytes longirostris*, opened to show the interior of the right auricle and ventricle; natural size.

- A.* Aorta.
- V. C. S.* Superior vena cava.
- V. C. I.* Inferior vena cava.

Fig. 3.—Heart of *Aptenodytes longirostris*, opened to show the interior of the left auricle and ventricle; natural size.

- A.* Aorta.
- V. C. S.* Superior vena cava.

Fig. 4.—Palmar surface of wing of *Aptenodytes longirostris*; one-half natural size.

- A. B.* Brachial artery.
- A. R.* Radial artery.
- A. T.* Thoracic artery.
- A. U.* Ulnar artery.
- B. I.* Brachialis internus muscle.
- Inf. Sp.* Infra-spinatus muscle.
- P. Maj.* Pectoralis major muscle.
- P. Min.* Pectoralis minor muscle.
- R. M.* Rete mirabile.
- V. B.* Brachial vein.

Fig. 5.—Dorsal surface of wing of *Aptenodytes longirostris*; one-half natural size.

- A. P.* Profunda artery.
- A. R.* Termination of radial artery.
- A. U.* Termination of ulnar artery.
- P. Maj.* Pectoralis major muscle.
- TR.* Triceps muscle.